

Express Mail No.
EL896142512US

Docket No. X595-16

ABSTRACT OF THE DISCLOSURE

A germicidal UV chamber for use on air passing through a duct system, such as a central air system which replace one or more sections of the duct and, in essence, becomes part of the duct work. Each chamber is in the form of one or more ellipsoid sections which focus the energy uniformly throughout the chamber. The UV lamp is in the form of a helix around the center line of the chamber. Its pitch may vary along its length so as to concentrate the UV radiation towards the center of the chamber. A UV transparent conduit may be positioned in the center of the coils of the helical UV lamp to convey a liquid through the lamp.